BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Certificate in Information Technology Pearson BTEC International Level 3 Subsidiary Diploma in Information Technology Pearson BTEC International Level 3 Foundation Diploma in Information Technology Pearson BTEC International Level 3 Diploma in Information Technology Pearson BTEC Level 3 National Extended Diploma in Information Technology
Unit number and title	**Unit 14: Customising and Integrating Applications**
Learning aim(s) (For NQF only)	**C:** Develop customised and integrated applications to meet organisational needs
Assignment title	Develop a solution
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	You recently started work as a junior IT Application Developer in a medium sized company. The company has a large number of office based staff who make use of a wide range of computer software including office, Internet and email applications. Following your investigation into customised and integrated applications you supervisor has asked you to develop a solution for the company Training Department. The Training Department produce a spreadsheet which lists the courses they run each month. The solution should allow users to select the training sessions they wish to attend on a form (based on the spreadsheet). The responses the user makes on the form will then create a summary document listing the selections made which is emailed to the user.

Task 1	You need to: • Produce an effective design for the customised and integrated application to meet the needs of the Training Department providing sufficient detail for the solution to be developed. Justify your design decisions including discussion of alternative solutions and why these were rejected. • Carry out a review of the design with at least two other people and annotate the original design identifying improvements that could be made at the development stage. • Develop the solution and carry out testing to ensure

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	the solution functions correctly and meets the Training Departments requirements. • During development and following testing optimise the solution adding functionality to better meet the Training Department's needs. • Evaluate the design and the completed, optimised solution making suitable and reasoned justifications of the decisions taken in comparison to alternative solutions. Overall the evidence will demonstrate that you can evaluate the designs and the optimised solution to meet the company requirements and that you can work professionally and independently. Technical terminology should be correctly and consistently used. The evidence should be easy to read and understand by a third party.
Checklist of evidence required	• Design documentation including justification of design decisions. • Evidence of the design review (e.g. written or audio/video comments) and annotated version of the design. • Evidence of the development of the solution (screen shots of code etc.) • Testing documentation • Evidence of optimisation of the solution (before and after versions) • Evaluation of the design, developed and optimised solution.

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
C.D3	Evaluate the designs and the optimised, customised and integrated applications against organisational needs
C.M3	Justify design decisions made, showing how the customised and integrated applications will result in an effective solution
C.M4	Optimise the customised and integrated applications to meet organisational needs.
C.P4	Produce designs with some inconsistencies for customised and integrated applications to meet organisational needs.
C.P5	Review the design with others to identify and inform improvements to the proposed application's design
C.P6	Produce customised and integrated applications to meet organisational needs.
C.P7	Test the customised and integrated applications for functionality and for acceptance against the organisational needs.

Sources of information to support you with this Assignment	Walkenbach, J. Excel VBA Programming for Dummies. John Wiley 2015. 978-1119077398 Gabet, S. Google Apps Script for Beginners. Packt Publishing 2014, 978-1783552177

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	Rochkind. Programming Chrome Apps. O'Reilly 2105. 978-1491904282
Other assessment materials attached to this Assignment Brief	*e.g., work sheets, risk assessments, case study*

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